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This is a div. of Ser. No. 08/811,162 filed Mar. 4, 1997 now Pat
No. 6,222,588 which is cono of Ser. No. 08/248,328 filed May 24, 1994 now Abn.

Background of the Invention

Field of the Invention

This invention relates to an automatic focus
adjusting device.

Description of the Related Art

The advancement of technology related to various
video apparatuses including video cameras, electronic
cameras, etc., have been remarkable during recent years.
As a result, it has become a standard practice to provide
these apparatus with an automatic focus adjusting (AF)
function for improvement in performance and operability.

According to a focusing method most popularly
employed for the automatic focus adjusting (focusing)
devices of these apparatuses, the sharpness of a picture
is detected from a video signal obtained through photo-
electric conversion by an image sensor or the like and
then the position of a focusing lens is controlled and
adjusted in such a way as to make the detected sharpness
into a maximum degree.

The degree of sharpness is represented by a
sharpness signal. The sharpness signal is evaluated in
general either by detecting the intensity of a high
frequency component extracted from a video signal through
a band-pass filter [hereinafter referred to as BPF] or by
detecting the width of blur of the video signal (width of
the edge part of an object image) through a
differentiation circuit or the like.

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